

**PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Docket No: Q79432

Ichiro MATSUBARA, et al.

Appln. No.: 10/796,124

Group Art Unit: 2856

Confirmation No.: 2477

Examiner: Not Yet Assigned

Filed: March 10, 2004

For: GAS SENSOR AND MANUFACTURING METHOD THEREOF

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.97 and 1.98**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith, along with a copy of the corresponding Communication from a Foreign Patent Office, except for the following: U.S. patents and/or U.S. patent publications; and co-pending non-provisional U.S. applications filed after June 30, 2003.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after

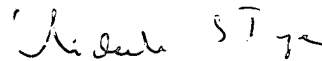
INFORMATION DISCLOSURE STATEMENT  
U.S. Appln. No.: 10/796,124

filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

Respectfully submitted,



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WASHINGTON OFFICE

**23373**

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Date: February 3, 2005

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

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of

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**Complete if Known**

Application Number	10/796,124
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Filing Date	March 10, 2004
First Named Inventor	Ichiro MATSUBARA
Art Unit	2856
Examiner Name	Not Yet Assigned
Attorney Docket Number	Q79432

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US 6,400,489	B1	6/4/2002	NISHIMURA TEIICHIRO ET AL.
		US			

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
		BIZETO M A ET AL: "PORPHYRIN INTERCALATION INTO A LAYERED NIOBATE DERIVED FROM K4NB6017" JOURNAL OF MATERIALS SCIENCE, CHAPMAN AND HALL LTD. LONDON, GB, VOL. 37, NO. 2, JANUARY 15, 2002, PAGES 265-270, XP 001092493.	
		GOMEZ-ROMERO P ET AL: "HYBRID ORGANIC-INORGANIC ELECTRODES: THE MOLECULAR MATERIAL FORMED BETWEEN POLYPYRROLE AND THE PHOSPHOMOLYBDATE ANION" ADVANCED MATERIALS, VCH VERLAGSGESELLSCHAFT, WEINHEIM, DE VOL. 9, NO. 2 FEBRUARY 1, 1997, PAGES 144-147 XP000681083.	
		GOPALAKRISHNAN J. ET AL: "POLYMERIZATION OF ANILINE IN LAYERED PEROVSKITES" MATERIALS SCIENCE AND ENGINEERING B, ELSEVIER SEQUOIA, LAUSANNE, CH, VOL. 34, NO. 2, NOVEMBER 1, 1995, PAGES 175-179, XP004000947.	
		WEI-HAN TAO ET AL: "THE HUMIDITY SENSING PROPERTIES OF ORGANIC-INORGANIC (AMPS/SiO2) HYBRID MATERIALS" PROCEEDINGS OF IEEE SENSORS 2002. ORLANDO, FL, JUNE 12-14, 2002 IEEE INTERNATIONAL CONFERENCE ON SENSORS, NEW YORK, NY: IEEE, US, VOL. 1 OF 2. CONF. 1, JUNE 12, 2002, PAGES 641-646, XP-010605175.	
		SURI K ET AL: "GAS AND HUMIDITY SENSORS BASED ON IRON OXIDE-POLYPYRROLE NANOCOMPOSITES" SENSORS AND ACTUATORS B, ELSEVIER SEQUOIA S.A., LAUSANNE, CH, VOL. 81, NO. 2-3, JANUARY 5, 2002, PAGES 277-282, XP004329908.	
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		SUKPIROM N ET AL: "PREPARATON OF ORGANIC-INORGANIC NANOCOMPOSITES WITH A LAYERED TITANATE" CHEMISTRY OF MATERIALS, AMERICAN CHEMICAL SOCIETY, WASHINGTON, US VOL. 13, NO. 6, APRIL 6, 2001, PAGES 2179-2185, XP00106107.	
		GOWARD G. R. ET AL: "POLY(PYRROLE) AND POLY(THIOPHENE)/VANADIUM OXIDE INTERLEAVED NANOCOMPOSITES: POSITIVE ELECTRODES FOR LITHIUM BATTERIES" ELECTROCHIMICA ACTA, ELSEVIER SCIENCE PUBLISHERS, BARKING, GB, VOL. 43, NO. 10-11, APRIL 30, 1998, PAGES 1307-1313, XP004134191.	
		RUIZ-HITZKY E: "CONDUCTING POLYMERS INTERCALATED IN LAYERED SOLIDS**" ADVANCED MATERIALS, VCH VERLAGSGESELLSCHAFT, WEINHEIM, DE, VOL. 5, NO. 5, MAY 1, 1993, PAGES 334-340, XP000368640.	

Examiner Signature

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or in the comment box of this document. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.